

Message Text

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SUBJECT: US-USSR ENVIRONMENTAL AGREEMENT: HARRINGTON/ANIKEYEV
STATIONARY SOURCE AIR POLLUTION WORKING GROUP

DEPARTMENT REQUESTED TO PASS FOLLOWING MESSAGE FROM
R.E. HARRINGTON TO WILLIAM BROWN, SPECIAL ASSISTANT
TO EPA ADMINISTRATOR AND DAVID STROTHER, EPA

REF: STATE 248895

1. FOLLOWING IS MEMORANDUM FOR 1975 ACTIVITIES OF
STATIONARY SOURCE AIR POLLUTION ABATEMENT TECHNOLOGY
WORKING GROUP. CONTENT AGREED TO WITH ANIKEYEV, AND
TRANSMITTED TO KUVSHINNIKOV. DETAILED TABLE OF
ACTIVITIES FOR 1975 PREPARED, TRANSMITTED TO
KUVSHINNIKOV AND WILL BE TRANSMITTED TO W. BROWN ON
NOVEMBER 25.

2. MEMORANDUM OF ACTIVITIES FOR 1975: PROGRAMS
IDENTIFIED IN THE 1973 MEMORANDUM OF THE SECOND MEETING
OF THE US-USSR JOINT COMMITTEE ON ENVIRONMENTAL PROBLEMS
HAVE MATURED TO ACTIVE PROJECTS AND ARE CURRENTLY
BEING IMPLEMENTED. IN ADDITION SEVERAL NEW PROJECT
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AREAS HAVE BEEN IDENTIFIED AND ARE BEING PURSUED AS

THE RESULT OF CONTACTS BETWEEN INDUSTRY SPECIALISTS FROM BOTH COUNTRIES. TO BETTER ACCOMMODATE AND ADMINISTER THE PROGRAMS OF THIS WORKING GROUP IT HAS BEEN FOUND ADVISABLE TO STRUCTURE THE PROGRAM INTO THREE CATEGORIES: (1) GASEOUS EMISSION ABATEMENT; (2) PARTICULATE ABATEMENT, AND; (3) PROCESS IMPROVEMENT AND MODIFICATION. THE FUTURE PROGRAM OF THE WORKING GROUP IS AS FOLLOWS:

WORKING GROUP MEETING -- A WORKING GROUP MEETING PLANNED FOR THE 2ND QUARTER 1975 WILL BE HELD IN THE USSR TO REVIEW PROGRESS OF ONGOING PROGRAMS AND CONSIDER RECOMMENDATIONS BY SUBGROUPS FOR PROGRAM ADDITIONS AND MODIFICATIONS.

3. GASEOUS EMISSION ABATEMENT: THE PRINCIPLE ACTIVITY OF THE SULFUR OXIDE CONTROL PROGRAM WILL CONTINUE TO BE THE JOINT COOPERATIVE PROGRAM TO DESIGN TWO FULL SCALE ELECTRIC POWER PLANT FLUE GAS DESULFURIZATION FACILITIES TO BE INSTALLED IN THE SOVIET UNION. THIS PROGRAM WILL BE SUPPORTED BY SEVERAL COOPERATIVE RESEARCH AND DEVELOPMENT PROJECTS TO DEVELOP BASIC DESIGN DATA AND INFORMATION. TO ACCOMPLISH THESE OBJECTIVES, A US TEAM OF EXPERTS WILL VISIT THE USSR IN THE 2ND QUARTER OF 1975 AND A USSR TEAM OF EXPERTS WILL VISIT THE US DURING THE 4TH QUARTER OF 1975.

4. THE PARTICULATE SUBGROUP IS CURRENTLY IMPLEMENTING THREE PROJECTS. TWO OF THESE, CALL FOR TESTING OF HIGH EFFICIENCY ELECTROSTATIC PRECIPITATORS AND WET SCRUBBERS FOR COLLECTION OF FINE PARTICULATES IN BOTH THE USSR AND THE US. TO SUCCESSFULLY CARRY OUT THESE PROJECTS THE FOLLOWING TRIPS WILL BE REQUIRED IN 1975: IN THE 3RD QUARTER US SPECIALISTS WILL VISIT THE SOVIET UNION TO CARRY OUT THE TESTING ON THE ELECTROSTATIC PRECIPITATOR AND WET SCRUBBER. ALSO DURING THE 3RD QUARTER, SOVIET SPECIALISTS WILL VISIT THE UNITED STATES TO CARRY OUT THE SECOND HALF OF THE TESTING PROGRAM. IN THE 4TH QUARTER, USSR SPECIALISTS WILL TRAVEL TO THE US TO DISCUSS AND COMPARE RESULTS OF TESTS IN BOTH COUNTRIES.

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5. TO CARRY OUT A STUDY OF ELECTROSTATIC PRECIPITATORS, A-5, PROJECT IT IS PLANNED THAT A SOVIET SPECIALIST COME TO THE UNITED STATES DURING THE 2ND QUARTER TO PARTICIPATE IN UPDATING AND FINALIZATION OF THE ELECTROSTATIC PRECIPITATOR PERFORMANCE MODEL WHICH THEN WILL BE AVAILABLE FOR USE BY BOTH COUNTRIES.

6. TO INVESTIGATE THE PROGRAM OF COOPERATION TO ABATE AIR POLLUTION FROM THE CEMENT INDUSTRY A VISIT OF US SPECIALISTS TO THE USSR IS PLANNED FOR THE 2ND QUARTER. A RETURN VISIT OF THE USSR DELEGATION WILL BE MADE IN THE 3RD OR 4TH QUARTER 1975.

7. PROCESS IMPROVEMENT AND MODIFICATION: A JOINT PROJECT TO IDENTIFY AND DEVELOP OPTIMUM METHODS FOR DEMETALIZATION PRETREATMENT FOR HYDRO DESULFURIZATION OF HEAVY RESIDUAL OILS TO PRODUCE LOW SULFUR, LOW ASH FUEL OILS WILL BE CONTINUED. CATALYSTS WILL BE EXCHANGED AND EVALUATED USING STANDARDIZED TEST METHODS. A TEAM OF USSR EXPERTS WILL MEET WITH US EXPERTS IN THE US DURING THE 3RD QUARTER 1975 TO EVALUATE RESULTS AND PREPARE FOR PUBLICATION A FINAL REPORT ON THE PROJECT.

8. A PROGRAM OF INFORMATION EXCHANGE RELATING TO THE IMPROVEMENT OF EQUIPMENT AND TECHNOLOGY FOR COAL CLEANING AND ENRICHMENT WILL CONTINUE. FOLLOWING EVALUATION OF MATERIALS EXCHANGED A MEETING OF EXPERTS WILL BE HELD IN THE USSR DURING THE 3RD AND 4TH QUARTER TO EVALUATE RESULTS AND DEVELOP THE PROGRAM FOR FURTHER COOPERATION. CONTINGENT UPON A FAVORABLE ASSESSMENT BY BOTH SIDES OF THE POTENTIAL FOR FINDING COMMON ECONOMIC METHODOLOGIES, A MEETING OF EXPERTS WILL BE HELD IN THE US DURING THE 1ST QUARTER 1975 TO DEVELOP A COMMON METHODOLOGY FOR COMPARING THE ECONOMICS OF VARIOUS PROCESSES FOR HYDRODESULFURIZATION OF HEAVY PETROLEUM STOCK. THIS MEETING WOULD BE COMBINED WITH A PLANNED MEETING OF EXPERTS IN THE US TO CONSIDER CANDIDATE PROCESSES AND SELECT THOSE TO BE INCLUDED IN A COOPERATIVE PROJECT FOR DESIGN AND OPERATION
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OF COMMERCIAL COAL OR OIL GASIFICATION PROCESSES OR POWER SYSTEMS.

9. SOVIET AND US EXPERTS WILL MEET IN THE US DURING 4TH QUARTER 1975 TO DISCUSS ECONOMICAL CONSIDERATION OF COMBINED CYCLES FOR POWER GENERATION, BASED ON GASIFICATION OF COAL AND OIL.

10. A TEAM OF US EXPERTS WILL INSPECT AND EVALUATE THE SOVIET DEVELOPED NON-POLLUTING DRY COKE QUENCHING PROCESS IN THE USSR DURING THE 2ND QUARTER AS A FIRST STEP TOWARD EXPLORING INTEREST IN ACQUIRING THE TECHNOLOGY. A TEAM OF SOVIET EXPERTS WILL VISIT THE US DURING THE 3RD QUARTER 1975 TO CONDUCT FURTHER DISCUSSIONS CONCERNING POLLUTION CONTROL OF COKE

PRODUCTION.

1. ONE TEAM OF US EXPERTS IN THE FIELD OF AIR POLLUTION ABATEMENT FROM METALLURGICAL PROCESSES TO THE USSR AND ONE TEAM OF THE USSR EXPERTS TO THE US DURING THE 3RD AND 4TH QUARTER RESPECTIVELY IS PLANNED. THESE TEAMS WILL INCLUDE A SPECTRUM OF EXPERTS IN THE FIELDS OF SO₂, PARTICULATE AND OTHER METALLURGICAL POLLUTION ABATMENT TECHNOLOGIES.

12. A TEAM OF US EXPERTS WILL VISIT THE USSR DURING THE 3RD QUARTER 1974 TO DISCUSS POLLUTANT CHARACTERIZATION AND POLLUTION CONTROL FROM OIL SHALE PROCESSING PROCESSES IF A COOPERATIVE PROJECT IS DEVELOPED.
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